

Serial No: 10/751,140

Specification

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**DESCRIPTION OF THE PREFERRED EMBODIMENT**

Referring to the drawings in detail, and referring first to Figs. 1 and 2, there is illustrated the leak detector of the invention, designated by the numeral 10. Leak detector 10 is comprised generally of an outer cylinder 14, placed in the water 23 of a swimming pool, or the container being measured. The telescoping leg sections 18 are set at a length to set the outer cylinder 14 at a height to provide a sufficient amount of water relative to the height of pool water surface 22 of the swimming pool. An inner tube 15 is fastened to the bottom 31 of outer cylinder 14 as

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"shown in Fig. 3 to provide an entry 25 for the pool water [25] 23 to be measured. Three feet 36 are formed on the bottom 31 to mount the smaller diameter leg section 17 and the telescoping leg section 18.

As shown in Figs. 4-6, leg sections 17 and 18 are oval shaped and are locked in a set position by rotating one section in the meeting until the surfaces bind together to hold the sections in a set position. Numeral 33 depicts the space between leg sections 17 and 18 in an unlocked position and Fig. 6 depicts the binding of the two leg sections 17 and 18 as indicated by numeral 34.

Inner, floating, indicating gauge 11, shown in Fig. 8, consists of a rod having graduated lines 12 at the top end and a hollow center 24 which provides an air float which floats in the pool water [25] 23 which rises in inner tube 15 to the level of the column of pool water [25] 23 entering through water inlet 32. Indicating gauge 11 provides an actual indication of the level 22 of the pool or vessel being tested.

Guide cap 13 is placed over the top of inner tube 15 to guide indicating gauge 11 and to provide a reference point 20

to take a reading from graduated lines 25 of indicating gauge 11. Environmental compensation chamber 29 is formed within the area between the outer cylinder 11 and the inner tube 15. Inner chamber 25 fluid level 22 and container fluid level 22 are shown